

Title (en)

Wire bundling device and wire bundling method

Title (de)

Drahtbündelungsvorrichtung und Drahtbündelungsverfahren

Title (fr)

Dispositif de formation de faisceau de fils et procédé de formation de faisceau de fils

Publication

EP 2615051 B1 20160203 (EN)

Application

EP 12007688 A 20121113

Priority

JP 2012005755 A 20120116

Abstract (en)

[origin: EP2615051A2] A plurality of relatively long wires having the same diameter is bundled together to obtain a bundle wire and the wire bundling is performed continuously. A wire bundling device according to the present invention includes: a plurality of reels (12) rotated by rotating means (30) and wind a wire (11), a first end of which is engaged; wire second-end pressing means (70) for collecting and pressing a second end of each of a plurality of wires having a predetermined length which is fed from a single spool (13) and individually wound around each of a plurality of reels; and withdrawing means (50), provided between the plurality of reels and the wire second-end pressing means, for withdrawing, in a collected state, the plurality of wires from the plurality of reels (12). The wire second-end pressing means includes first pressing means (71) and second pressing means (72). The rotating means includes an electric motor (32) for which a contact roller (31) that rotates in contact with an outer circumference of the reel is provided in a rotating shaft thereof, and motor moving means (33) for moving the electric motor (32) so that the contact roller (31) selectively makes contact with the outer circumferences of the plurality of reels.

IPC 8 full level

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Cited by

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